

SOFTWARE REQUIREMENT SPECIFICATION OF

Combo support (App)

A Software Requirement Specification(SRS) is a comprehensive Description of the intended purpose and environment for software under development. The SRS fully describes what the software will do and how it will be expected to perform.

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1. INTRODUCTION

- Purpose of Project

The purpose of this project is to create a comprehensive and user-friendly platform for professionals and enthusiasts in electronics and hardware repair. It aims to streamline access to technical resources such as voltage divider calculators, IC finders, battery information, schematics, and solution galleries organized by make, model, and part. The app dynamically integrates high-selling products and informational pages via WordPress, enhancing its utility and adaptability. Additional features like social sharing, boot sequence photos, and IC pad visuals ensure practical usability. By combining technical tools with dynamic content and modern engagement options, the project simplifies troubleshooting and promotes knowledge sharing.

2. Functionality and Features

1. Login with Number

- **Purpose:** Users can log in using their mobile number for authentication.
- **Features:**
 - OTP verification for secure access.
 - Session management to ensure seamless login/logout experiences.

2. Voltage Calculator

- **Purpose:** Calculate voltage across resistors using the voltage divider formula.
- **Features:**
 - Input fields for resistance values and voltage supply.
 - Display numerical and graphical outputs.

3. High-Selling Items

- **Purpose:** Showcase high-selling products added by the admin.
- **Features:**
 - Dynamic data management from the admin panel.
 - User-friendly interface for browsing product details.

4. Help

- **Purpose:** Provide assistance and FAQs to users.
- **Features:**
 - Content managed by the admin via the admin panel.
 - Organized sections for troubleshooting and support.

5. Menu

- **Submodules:**
 1. **Profile:** Displays user profile information.
 2. **Subscription:** Shows subscription details and status.
 3. **About Us:** Information about the app and organization.
 4. **Terms & Conditions:** Legal and usage policies.
 5. **Privacy Policy:** Guidelines on data privacy.
 6. **Share:** Enables users to share the app via social platforms.
 7. **Rate Us:** Redirects to app store for rating.
 8. **Logout:** Ends the user session securely.

6. Combo Folder

- **Purpose:** Organize and search mobile device lists.
- **Features:**
 - Searchable lists with screen search functionality.
 - **Red List** for highlighting important items.

7. Battery

- **Purpose:** Provide a searchable list of battery-related information.
- **Features:**
 - Quick search by keyword or category.

8. IC Finder

- **Purpose:** Display a searchable list of ICs.
- **Features:**
 - Organized list with quick search options.

9. IC Pad Photos

- **Purpose:** Display photos of IC pads downloaded from the server.
- **Subcategories:**
 - Light IC
 - Grafix IC
 - Sound IC
 - Charging IC
 - APT IC
 - OVP IC
 - CHG Jack
- **Features:**
 - Dynamic server-side updates.
 - High-resolution photo display.

10. Boot Sequence Photos

- **Purpose:** Show boot sequence photos downloaded from the server.
- **Subcategories:**
 - Mediatek
 - Qualcomm
 - Exynos
- **Features:**
 - Category-based photo organization.

11. Solution Photos

- **Purpose:** Display solution photos downloaded from the server.
- **Features:**
 - Organized by a list of mobile devices.
 - High-resolution images for troubleshooting.

12. Schematic PDF

- **Purpose:** Provide schematics in PDF format for mobile devices.
- **Features:**
 - PDFs uploaded by the admin via the admin panel.
 - Download and view functionality for users.

13. Contact and Support

- **Purpose:** Allow users to contact support or provide feedback.
- **Features:**
 - Redirects to admin-managed WhatsApp and Instagram profiles.
 - Quick access for queries or assistance.

3. Modules and submodule

User panel

1. Login with Number

- Users can log in using their mobile number and OTP verification.

2. Voltage Calculator

- Calculates voltage across resistors based on user input.

3. High Selling

- Displays high-selling product details added by the admin.

4. Help

- Provides admin-managed FAQs and troubleshooting guides.

5. Menu

- **Profile:** Displays user information.
- **Subscription:** Shows subscription details.

- **About Us:** Information about the platform.
- **Terms & Conditions:** Admin-updated terms for users.
- **Privacy Policy:** Details on data privacy policies.
- **Share:** Allows users to share the app link.
- **Rate Us:** Redirects to the app store for feedback.
- **Logout:** Ends the user session.

6.Combo-Folder (Red-List)

- Displays a searchable mobile list with screen search functionality.

7.Battery (R)

- Provides a searchable list of batteries by model and type.

8.IC Finder (R)

- Displays a searchable list of integrated circuits (ICs).

9.IC Pad Photos

- Downloads and displays categorized IC photos from the server:
 - **Light IC, Grafix IC, Sound IC, Charging IC, APT IC, OVP IOC, CHG Jack**

10.Boot Sequence Photos

- Downloads and displays boot sequence photos by category:
 - **Mediatek, Qualcomm, Exynos**

11.Solution Photos

- Displays server-downloaded photos of solutions for mobile device issues.

12.Schematic PDF

- Allows users to download PDFs of schematics uploaded by the admin.

13.Contact and Support

- Redirects users to admin-managed WhatsApp or Instagram profiles for support and feedback.

Admin Panel

1. Login with Number

Admin can log in using a registered mobile number.

2. Voltage Calculator

Allows admin to manage voltage register calculation logic for user access.

3. High Selling

Admin adds and updates high-selling item details displayed to users.

4. Help

Admin inputs FAQs and support details to assist users.

5. Menu Management

- **Profile:** Admin manages user profile details.
- **Subscription:** Admin updates subscription options.
- **About Us:** Add/edit company information.
- **Terms & Conditions:** Update platform terms.
- **Privacy Policy:** Update privacy guidelines.
- **Share:** Manage shareable links.
- **Rate Us:** Configure rating prompts.
- **Logout:** Manage session termination settings.

6. Combo Folder

- Manage mobile list and make it searchable via screen search.

7. Battery

- Add/update searchable battery details.

8. IC Finder

- Upload and manage a searchable list of IC components.

9. IC Pad Photos

- Admin uploads photos categorized into Light IC, Grafix IC, Sound IC, Charging IC, APT IC, OVP IC, and CHG Jack.

10. Boot Sequence Photos

- Upload boot sequence photos for Mediatek, Qualcomm, and Exynos devices.

11. Solution Photos

- Add photos linked to specific mobile devices for user access.

12. Schematic PDF

- Upload and manage device-specific schematic PDFs.

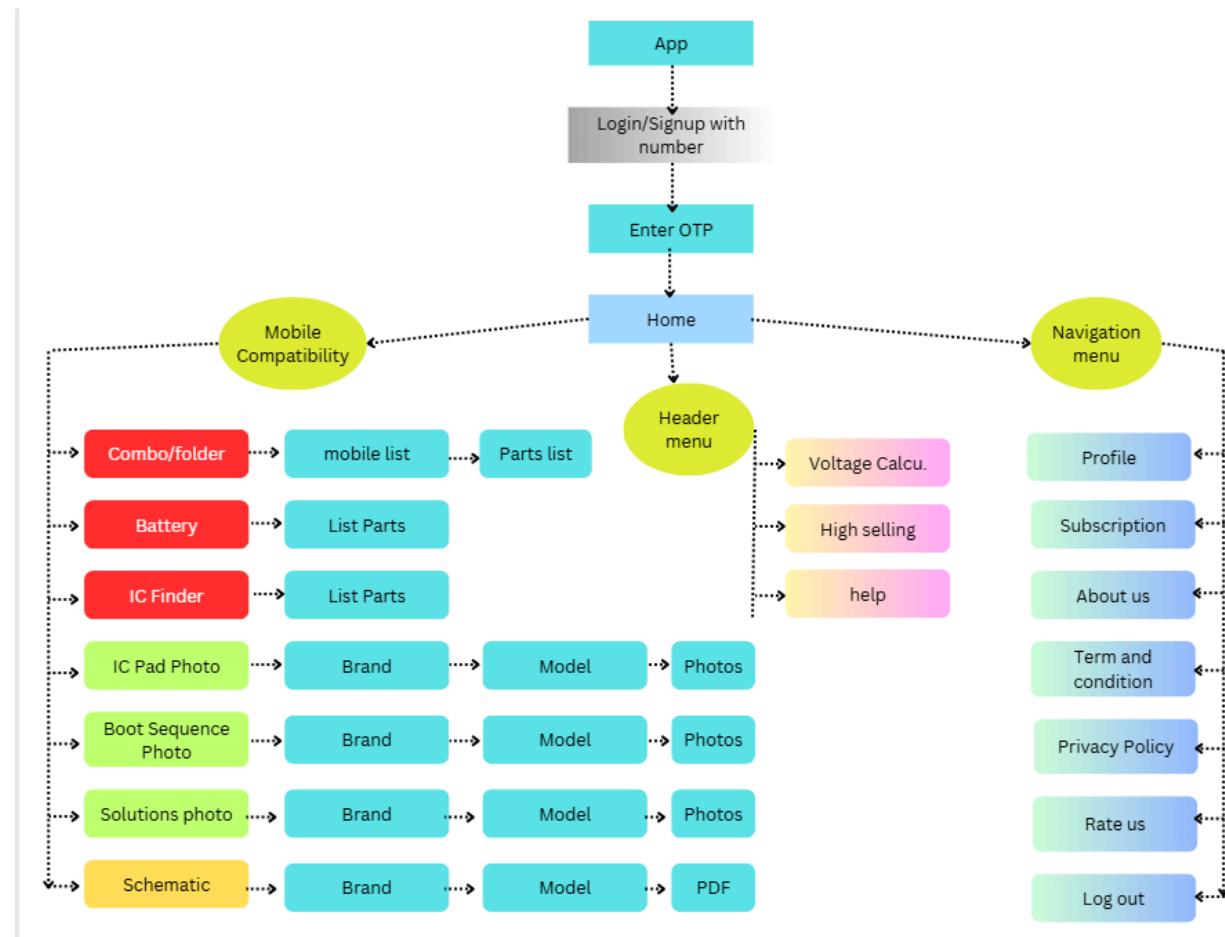
13. Contact and Support

- Configure WhatsApp and Instagram links for user feedback and support.

4. Technology framework

- Flutter
- Wordpress for admin panel

5. Workflow



6. Screens

1. Login Screen

Simple interface allowing users to log in using their mobile number and OTP verification for secure access.

2. Home Page

Central hub displaying quick access to voltage calculators, high-selling items, IC details, solutions, and user-specific content.

3. Mobile Compatibility

Seamless functionality across all devices, ensuring optimal performance and intuitive design for different screen sizes and resolutions.

4. Header Menu

Displays key navigation options like Profile, Subscription, and About Us for easy access at the top of the screen.

5. Navigation Menu

Side menu with categorized sections like IC Finder, Battery, Photos, and PDFs for effortless user exploration and interaction.